

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S90	1	training same score same mode same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 22:08
S89	4	training same game same mode same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 22:08
S88	8	(training adj mode) and game adj mode and golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 22:04
S87	12	(training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:52
S86	3	(game adj mode same training adj mode) and golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:51
S85	3	(game adj mode same training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:51
S84	0	(game adj mode near4 training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:50
S83	10259	(game mode near4 training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:50
S82	10266	(game mode same training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:50
S81	3	(game adj mode with training adj mode) same golf	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:49
S80	10	S39 and game adj mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 21:48
S79	0	("34aandgameadjmode").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 21:47
S39	1135	(473/155,140,143,145,150-154,165,171,174,180,185,186,198,199,225,280).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/20 21:46

## EAST Search History

S78	0	S74 same auto adj volt\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:45
S77	26	S74 same transformer	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:45
S76	14	S74 same inverter	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:38
S74	310	change with pulse adj width with power adj supply	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:37
S75	21	("3787730"   "4325111"   "4355277"   "4554512"   "4581565"   "4683439"   "4841165"   "4851753"   "4873618"   "4914399"   "5014016"   "5075634"   "5077539"   "5144211"   "5396165"   "5398003"   "5442317"   "5552683"   "5596446"   "5617058"   "5805020").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:35
S73	1	change near2 pulse adj width near2 power adj supply	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:24
S72	0	cahnge near2 pulse adj width near2 power adj supply	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:24
S71	62	pulse adj width adj modulat\$4 near2 voltage adj drop	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:23
S70	945	pulse adj width adj modulat\$4 same voltage adj drop	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:15
S69	5	("3875501"   "4112428"   "4362988"   "5355136"   "5745062").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:14
S68	20	("3909722"   "3927316"   "4068093"   "4081747").PN. OR ("4221932").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 21:02
S67	12	("4675863"   "5487181").PN. OR ("5970419").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:55
S66	14	chang\$4 with (pulse adj width) same (battery adj voltage with low)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:53
S65	1	chang\$4 with (pulse adj width) same (battery adj voltage with low) same peak adj efficiency	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:53
S64	2	(power adj supply with low) same (pulse adj width with emitter) same battery	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:50
S63	1141	(power adj supply with low) same pulse adj width	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:47
S62	7	S61 and golf	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:46
S61	496	(voltage with chang\$4) same pulse adj width same sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:44
S58	531	(voltage with chang\$4) same pulse adj width same emitter	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:44

## EAST Search History

S60	49	S59 same low	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:36
S59	83	S58 same battery	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:36
S57	9	("4686437"   "5514923"   "5530788"   "5731673"   "5764009"   "5878189"   "6194856"   "6335600").PN. OR ("6750622"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:34
S56	11	S55 and golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:27
S55	2976	S54 same (emitter or detector or sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:27
S54	15685	chang\$4 same (pulse adj width) same voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:27
S52	61	battery same peak same efficiency same pulse same (emitter or detector or sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:26
S53	1	S52 and golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:24
S51	11	voltage same monitor\$4 same emitter and golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:22
S50	0	voltage same management same emitter and golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:18
S49	0	voltage same management same emitter same golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:17
S48	0	power same management same emitter same golf	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 20:17

## EAST Search History

S47	11	("4088940"   "4137557"   "5337013"   "5798577"   "5818673"   "5832286"   "5856711"   "5871858"   "5886422"   "6194792"   "6377031").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 20:16
S46	55	golf and (battery same voltage same monitor same sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 19:37
S45	1	golf and (battery same voltage same monitor same emitter same detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 19:37
S44	12	("20020022530" "4437669" "4872687" "5301947" "5332211" "5435547" "5551695" "5595543" "5692966" "5733200" "6042483" "6146283").PN.	US-PGPUB; USPAT	OR	ON	2007/09/20 19:35
S43	0	("20020022530" "4437669" "4872687" "5301947" "5332211" "5435547" "5551695" "5595543" "5692966" "5733200" "6042483" "6146283").PN.).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 17:48
S42	2	("20020091008").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/20 17:47
S41	1	S35 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 17:26
S40	61	S32 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:26
S38	1138	(473/155,140,143,145,150-154,165,171,174,180,185,186,198,199,225,280).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/20 14:26
S37	49	("3194563"   "3778064"   "3892414"   "4137566"   "4163941"   "4180726"   "4251077"   "4254956"   "4542906"   "4615526"   "4767121"   "4770527"   "4844469"   "4858934"   "4958836"   "4971325"   "4979745"   "4991850"   "5056791"   "5154427"   "5245320"   "5257084"   "5269519"   "5342054").PN. OR ("5472205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 14:24
S36	14	golf and putt\$4 and sensor and speed and distance and emitter and detector and counter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:23
S35	5	golf and putt\$4 and sensor and speed and distance and emitter and detector and counter and (sound or audio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:23

## EAST Search History

S34	3	golf and putt\$4 and sensor and speed and distance and emitter and detector and power and counter and (sound or audio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:23
S33	2	golf and putt\$4 and sensor and speed and distance and emitter and detector and power and counter and (sound or audio) and reset\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:22
S32	232	golf same putt\$4 same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:20
S26	49	golf same putt same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 14:19
S31	1	("4641240").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:30
S30	1	("6461420").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:29
S29	1	("6462140").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:29
S28	1	("6462440").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:28
S27	2	((("6461240") or ("20020022530"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 13:28
S25	0	goft same putt same sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:46
S24	12	("4063259"   "4327917"   "4858922"   "4872687"   "5067718"   "5169150"   "5169151"   "5174574"   "5181721"   "5390927"   "5860648"   "6213887").PN. OR ("6602146").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:45
S23	6	("4155555").PN. OR ("4342455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:30
S22	29	("4375887"   "4713686"   "5054785"   "5342054"   "5413345"   "5471383"   "5489099"   "5501463"   "5575719"   "5768151"   "5803823"   "5906547"   "5926780").PN. OR ("6042483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:23
S21	16	("20020022530"   "4437669"   "4872687"   "5301947"   "5332211"   "5435547"   "5551695"   "5595543"   "5692966"   "5733200"   "6042483"   "6146283").PN. OR ("6461246").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:22
S20	20	("2933681"   "2954232"   "3020049"   "3550450"   "3601408"   "3649029"   "3892414"   "3894739").PN. OR ("4180270").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:18
S19	12	("4136394"   "4815020"   "5046839"   "5283732"   "5294110"   "5582554"   "5788583"   "5810680").PN. OR ("6059672").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:15

## EAST Search History

S18	11	("4180270"   "4254956"   "4306723"   "4844469"   "5108105"   "5472205").PN. OR ("5788583").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:11
S17	16	("4148490"   "4872687"   "5209484"   "5290037"   "5429368"   "5527041"   "5647805"   "5672114"   "5788583"   "5797804"   "5882267").PN. OR ("6540620").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 12:08
S16	28	("20020022530"   "20040009825"   "2801857"   "3831949"   "4230319"   "4437669"   "4465281"   "4544160"   "4732390"   "5007646"   "5150904"   "5797804"   "5882267"   "5919096"   "6019685"   "6048273"   "6129639"   "6159106"   "6443852"   "6458039"   "6461246"   "6540620"   "6572486"   "6669574"   "6679783"   "6786833"   "6840870").PN. OR ("6997817").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:55
S15	14	("4437669"   "5393065"   "5435547"   "5527041"   "5797804"   "6019685"   "6159106"   "6443852"   "6540620").PN. OR ("6669574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:54
S14	12	("3727069"   "4770527"   "4872687"   "5230505"   "5435547"   "5626526"   "5733200"   "5779241"   "6540620"   "6669574"   "6709343"   "6821211").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:52
S13	25	("4106772"   "4146230"   "4254956"   "4342455"   "4971325"   "4991850"   "5067717"   "5114150"   "5209483"   "5368042"   "5472205"   "5474298"   "5685782"   "5697791"   "5718639"   "5826874"   "5836829"   "5882269"   "5907819"   "5935014"   "5976022"   "6227984"   "6302802").PN. OR ("6821211").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:51
S12	43	("3194563"   "3601408"   "3778064"   "3892414"   "4137566"   "4155555"   "4163941"   "4180726"   "4251077"   "4254956"   "4304406"   "4342456"   "4542906"   "4615526"   "4652121"   "4767121"   "4770527"   "4844469"   "4858934"   "4958836"   "4971325"   "4979745"   "4991850"   "5056791"   "5154427"   "5245320"   "5257084"   "5269519"   "5342054"   "5472205"   "D365620").PN. OR ("5718639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:49
S11	26	("3194563"   "4150825"   "4180726"   "4251077"   "4306722"   "4583733"   "4630829"   "4652121").PN. OR ("4979745").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:44
S10	43	("3009704"   "3070373"   "3194563"   "3390388"   "3752978"   "3802709"   "3953034"   "4215271"   "4251077"   "4270751"   "4306722"   "4341384"   "4411431"   "4826174"   "4858934"   "4971327"   "4979745"   "4997189"   "5029868"   "5082276").PN. OR ("5330188").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:36
S9	6	("2825565"   "4015845"   "4042491"   "5255916"   "5846138").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:34
S8	30	("0278341"   "1150517"   "1206203"   "3445112"   "3463593"   "3561563"   "4524969"   "4872687"   "4969620"   "5171012"   "5171013"   "5234379"   "5255916"   "5267715"   "5275398"   "5330188"   "5338262"   "5520581"   "5738595"   "6224029"   "6244970"   "6390471"   "6582316"   "6769992"   "6827651").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:32
S7	31	("2057504"   "3306619"   "3341206"   "3759528"   "3892414"   "4160942"   "4180726"   "4190825"   "4515365"   "4563005"   "4652121").PN. OR ("4872687").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/20 11:32

## EAST Search History

S6	50	(("5934530") or ("5865689") or ("5730226") or ("5259621") or ("5409228") or ("5487545") or ("5527035") or ("5692965") or ("5882266") or ("6004220") or ("3697079") or ("3685833") or ("3895797") or ("3885796") or ("3876210") or ("3870299") or ("3854728") or ("3829091") or ("3819189") or ("3810632") or ("3799555") or ("4135720") or ("4078806") or ("4114887") or ("4247112") or ("4249739") or ("4291883") or ("4303244") or ("4313604") or ("4315626") or ("4336939") or ("4340229") or ("4343469") or ("4344624") or ("4361329") or ("4423874") or ("4447059") or ("4451044") or ("4530500") or ("4532712") or ("4540179") or ("4544160") or ("4601472") or ("4620708") or ("4809984") or ("4828267") or ("4872687") or ("5333874") or ("4875682") or ("20050059504")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 10:25
S1	8	("4180726" "4872687" "5275084" "6095661").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:23
S5	18	putt\$4 same measur\$4 same emitter\$4 same detect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:17
S3	17	putt\$4 same measur\$4 same emitter\$4 same detect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:17
S4	10	("3523689").URPN.	USPAT	OR	ON	2006/06/09 14:00
S2	37	("3805061"   "3907429"   "4128761").PN. OR ("4180726").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/09 13:57